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CARDIFF RURAL DISTRICT COUNCIL.
INTERIM REPORT.

FOR THE YEAR

1940
by

G.McKIM THOMAS.
M.R.C.S., L.R.C.P., L.D.S.(Eng.), D.P.H. (Lond).
Medical Officer of Health.

PUBLIC HEALTH OFFICERS, 1940.

Medical Officer of Health,
G. Mckim Thomas, M. R.C.S., L.R.C.P.,L.D.S.(Eng)., D.P.H.(Lond).,

Superintendent, Health Visitor and Inspectress under the Children's Act.
Nurso G. James, Cert.C.M.B.,H.V., and R.S.I.
(retired 1st June, 1940.)
Nurse E.G. Rooney,Cert.C.M.B.,H.V.,and R.S.I.
Nurse F. Salmon, Cert.C.M.B., H.V., and R.S.I.
(commenced duties 27th May,1940)

Senior Sanitary Inspector.

Evan Jones, A.R.S.I .... No. 2 District (Radyr)

Sanitary Inspectors.

G.I. Hall, A.R.S.I., ... No. 3 District (Dinas Powis)
W.Davies, A.R.S.I., ... No. 1 District (Whitchurch)

ELY ISOLATION HOSPITAL.

Matron :
Miss Aerona Davies, S.R.N., R.F.N., S.C.M.,

Temporary Clerk :
S.L.Deacon.

Typist:

Miss Avril Thomas.

CARDIFF RURAL DISTRICT COUNCIL.

To the Chairman and Members of the Cardiff Rural District Council,

Gentlemen,

I beg to submit to you my Annual Report for the year ending 31st December, 1940. In Circular 2341 (Wales) the Welsh Board of Health have requested that the Council will direct that the Annual Report be again prepared on the lines as indicated in Circular 2067 (Wales) dated 19th July, 1940.

Arrangements have been made for the careful preservation of all records, including the statistics to be supplied by the Registrar General. It is intended that at the termination of the War these records will be recorded.

The year under review has, as a result of the war seen many changes in the working of the Health Department, although some sections of the work such as Housing Inspection, Inspection of Slaughtering etc., have been very largely suspended. Many new duties have had to be dealt with, such as, Evacuation of Mothers with Children, and Unaccompanied School Children, Air Raid Casualty Services, Hostels for Evacuated Children, Mortuary and Burial Squads, and the Collection and Disposal of Salvage.

There has been a substantial increase in the population, owing to the influx of official and unofficial evacuees and consequently one was concerned as to the possible effects of any outbreak of infectious disease. Fortunately this has not been the case, and the health of the population has been maintained at a remarkably high level. The rationing of foodstuff does not appear to have had any adverse effect. This, no doubt, has been largely brought about, at any rate in the case of the children, by the increase in the amount of milk in the schools and infant clinics. There has, however, been a deficiency in the source of supply of fresh fruit and vegetables, and this may in the future be a cause for anxiety regarding the well-being of the younger generation.

Section A.
STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

(1) General Statistics:

Area - acres	60,056
No. of inhabited houses	9,563
Rateable value of the District	£213,648
Sum represented by the 1d rate	£817

(2) Social Conditions.

The District is divided into parts, some of which are urban in character and the remainder is mainly rural. There are some 321 farms in the area and milk production is largely carried on.

The industries are comprised of : -

Tin Works : Waterloo Tin Plate Works, Rudry. Melingriffith Tin Plate Works, Whitchurch.

Cement Works. Aberthaw & Bristol Channel Portland Cement Co. Ltd.(2 works at Rhoose). British Portland Cement Co. Penarth. Turner Asbestos Cement Co. Rhoose.

Brick Works. Wernddu Brickworks, Van.

Railway Works. G.W.R. Engineering and Wagon Works, Van.

Dolomite Works. Taffs Well.

Quarries. Thirteen stone quarries.

Causes of Infant Deaths at various ages during 1940:

Disease.	Weeks. 1.	2.	3.	4.	Total 1st Month.	Months. 1-3.	3-6	6-9	9-12.	Total.
Asphyxia	1				1					1
Broncho-Pneumonia				1	1		1			2
Cerebral Haemorrhage	1				1					1
Cerebro-spinal-meningitis						1				1
Congenital Heart disoase									1	1
Convulsions						1				1
Gastro Enteritis						1				1
Gastro-intestinal obstruction	1				1					1
Marasmus		1			1	1				2
Premature	9				9					9
Pneumococcal Meningitis								1		1
Tubercular Meningitis									1	1
TOTALS	12	1	-	1	14	4	1	1	2	22

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

(a) Laboratory Facilities.

In addition to the usual Public Health Laboratory facilities which have been in operation for a number of years, there is now available the additional services of the Emergency Public Health Service. Use has been made of the added facilities on a number of occasions, particularly in connection with any examinations which have had to be made resulting from examination of troops stationed in and about your area.

Examination of Pathological Specimens during the year 1940.

Nature of Specimen	No. of Specimens examined.	Negative.	Positive.
Swabs for Diphtheria Bacilli	409	325	84
Sputum for Tubercle Bacilli	48	43	5
Pus for Tubercle Bacilli	1	1	-
Faeces for Enteric	2	2	-
Blood for Enteric	3	3	-
Blood for Br. Abortus	2	2	-
Swabs of Pus for Organisms	1	-	1
Faeces for Dysentery	5	5	-
Cerebral spinal fluid	1	1	-
Swabs for Cerebro-Spinal Bacilli	6	5	1
TOTALS.	478	387	91

(b) Ambulance Facilities.

The Ambulance for cases of infectious diseases is running quite satisfactorily, but its age is making it very much out of date and the comfort of the patients is not of the best . It should, however, remain in operation for the duration of the war.

Ambulance Services for Air-Raid Casualties.

Four ambulances have been provided by the County Council for service with the Air Raid Precautions Casualty Services. The vehicles are quite satisfactory and one is situated at each of the following parts of your

Whitchurch, Rhiwbina, Radyr, Dinas Powis. The southern portion of your area comes within the Barry Report Centre and any ambulance that is required would be supplied from Barry A.R. P. Service.

A number of cars for sitting cases have been provided voluntarily and are based at the various Depots. Fortunately, the necessity for calling on these ambulances owing to air raid casualties has been very limited.

(c) Nursing in the Home.

District Nurses have their centres at the following places and serve the surrounding areas : Pentyrch, St. Fagans, Rhoose, Peterston-s-Ely, East Aberthaw. In most cases a car has been provided for the nurse. The valuable work of these nurses is much appreciated by the residents in the area and should be given every encouragement.

(d) Treatment Centres and Clinics.

Cases of tuberculosis and suspected tuberculosis are referred for examination to the Tuberculosis Officer of the Welsh National Memorial Association and in the main are seen at the Centre at Cathedral Road. Some cases attend at Pontypridd and Barry. The Tuberculosis Physicians also at times visit cases in their homes and advise as to treatment.

Venereal Disease.

Definite and suspected cases are referred to the Centre at Clossop Terrace, near the Cardiff Royal Infirmary, and at the Public Health Centre, Woodland Rd, Barry Dock.

(e) Hospitals.

The Cardiff Royal Infirmary receives cases which have been referred from your Clinics. These have been largely out-patient attendances, - for the correction of defective vision, ear, nose and throat complaints, circumcision, skin diseases etc. Cases of an orthopaedic nature are sent to the Prince of Wales Hospital and there is no delay in a child receiving treatment, in a number of cases the splint or appliances have been supplied within one week of the child being seen. This is a tremendous advantage, as so many of these cases which occur in infancy are cured before the child is one year old.

MATERNITY & CHILD WELFARE.

Maternity Services.

Ante and post natal Clinics are now established at the School Room of the Tabernacle Methodist Chapel, Merthyr Rd, Whitchurch, and at your own clinic premises at Dinas Powis and Rhoose. The Clinic at Whitchurch is held weekly on a Friday afternoon and at Dinas Powis and Rhoose fortnightly on a Wednesday and Monday afternoon respectively. The Clinics held at Dinas Powis and Rhoose are held before the Infant Welfare sessions.

These Clinics are conducted by Dr. Bryneilen Griffiths and the attendances have been satisfactory although every endeavour will be made to encourage more of the mothers to attend.

In some districts there is still a good deal of propoganda work to be done in order to make the mothers "clinic-minded".

No. of mothers attending Ante-Natal Clinics 150
No. of mothers attending Post-Natal Clinics 16

A certain number of evacuee expectant mothers have come into the district and all these have been visited and encouraged to avail themselves of all the clinic services. The invitations have met with ready response, as most of the mothers have come from areas where they have been accustomed to attending Clinics and they have therefore taken advantage of your services.

Institutional provision for Mothers and Children.

These arrangements are the same as have been described in my previous reports. The numbers of mothers now referred to Hospital is kept as low as possible, however, as a result of a request having been received from the City.

Lodge to do so, their bed space now being limited owing to war conditions.

The evacuee mothers are as far as possible dealt with on similar lines as the ordinary mothers in your district, but it does appear that where an evacuee mother is billeted it is not very often possible for the confinement to take place in the billet, and consequently a number of these cases have been referred to Hospital. Where there are other children belonging to the evacuee mothers, arrangements are made for these children during the mothers' stay in Hospital.

Expectant Mothers admitted to Institutions (under arrangement with your Council : 32

Evacuee children who require Hospital treatment are dealt with through the War Emergency Hospital Scheme.

Health Visitors.

Nurse G. James, C.M.B., H.V., R.S.I., retired on 1st June, 1940, having completed 25 years' service.

I wish to place on record the good work which Nurse James had performed whilst in your employment. She was generally popular with the mothers and children, and had the advantage of long service in the particular district and had reached the time when mothers were bringing their babies to her as they themselves had been brought when infants. She will be missed by a large section of the population who looked to her for guidance and advice.

The Clinic attendances are making steady progress as shown by the following figures :

	Attendances 1940.
Whitchurch Clinic	4617
Rhiwbina Clinic.	1989
Tongwynlais Clinic	1088
Gwaelodygarth Clinic	431
Pentyrch Clinic	481
Peterston-s-Ely Clinic	264
Dinas Powis Clinic	1167
Rhoose Clinic	761
Wenvoe Clinic	463
Total	11,261

As mentioned in my last year's report the difficulty of transport due to the War has made it more difficult for your nurses to get about their districts and consequently, both your Health Visitors have now provided themselves with cars. This should be a great advantage and the number of visits to homes for all purposes should be materially increased.

Infant Life Protection.

The number of cases under this heading is three. Periodical visits have been made to the homes of those cases, and at all times the conditions have been satisfactory. It was not found necessary to take any proceedings under the Act during the year.

Arrangements for dental cases.

Expectant and Nursing Mothers and infants who are in need of dental treatment are referred to the dental Clinics of the Glamorgan County Council. In a number of cases the distances which they have to travel and also the infrequency of the clinics deter some from taking advantage of the treatment and consequently in a number of cases they prefer to go to the Dentist nearer at hand. As pointed out in my last year's Report, appointments are therefore made for quite a number of cases who fail to keep them. This is a great pity as it means a loss to the patient and also a wastage of the Dental Officer's time.

Orthopaedic Cases.

As mentioned earlier in the Report the facilities for the infants who require orthopaedic treatment are most adequate and although there were very

few cases of a serious nature, a number of defects were detected in the very early stages which obviates the deformity becoming more marked and consequently more serious. The great majority are so successfully dealt with that they are cured before the infant commences school. Where a child is still under treatment when he attains school age the necessary information is sent to the School Medical Officer, so that there shall be no interruption in the treatment.

New Cases referred during 1940: -

Case.No.	Defect.	Treatment Advised.
1. J.C.	Calcaneo Valgus right foot. Metatarsus varus left foot.	Splints.
2. A.G.	Contraction of fingers.	Splints
3. A.C.	Knock-Knee	Alterations to shoes.
4. G.K.	Torticollis	Collar and manipulation
5. C.S.	Knock-Knee	Alterations to shoes.
6. J.D.	Bowed Tibiae	Alterations to shoes.
7. N.T.	Torticollis	Collar and Manipulation
8. M.E.	Torticollis	Collar and manipulation.
9. P.A.	Valgus deformity of both feet	Alterations to shoes.
10. G.L.	Bowing right leg, Valgus deformity of feet.	Alterations to shoes.
11. H.J.	Knock-Knee.	Observation.
12. K.H.	Knock-Knee	Alterations to shoes.
13. H.H.	Knock-knee	Alterations to shoes.
14. B.B.	Metatarsus varus and calcaneus	Plasters
15. J.H.	Torticollis	Collar and manipulation
16. M.H.	Torticollis and calcaneo varus	Plasters.
17. T.T.	Torticollis	Collar
18. J.G.	Turning feet in	Alterations to shoes.
19 .J.W.	Knock-Knee	Outside irons and alterations to shoes.
20. M.C.	Flat Foet	Alterations to shoes
21. J.E.	Postural deformity of head	Collar
	Calcaneo Valgus of both foot.	Alterations to shoes.
22. W.J.	Calcaneo Valgus of both feet	Alterations to shoes.
23. P.C.	Calcaneo valgus of both feet.	Plasters.
	Torticollis	Collar.
24. J.L.	Bow-legs and valgus deformity of both feet.	Plasters.
25. R.W.	Valgus deformity of heels.	Alterations to shoes.
26. C.Y.	Spastic	Plasters.
27. P.C.	Knock-knee, metatarsus varus and long heels.	Alterations to shoes.
28. A.J.P.	Valgus and planus both feet and knock-knees.	Alterations to shoes and exercises.

MILK SCHEME.

Circular 2053 (Wales) was received from the Welsh Board of Health from which it appeared that the Ministry of Food had decided as a measure of war-time food policy to institute a national scheme for the supply of milk either free or cheap to all expectant and nursing mothers and children under five years of age.

The scheme is administered by specially appointed Divisional Milk Officers and Milk Officers : -

One pint of liquid milk, or, in special circumstances, for children under one year of age an equivalent amount of dried milk, is supplied daily to each member of those classes on whose behalf proper application is made. The price to be paid will normally be 2d per pint and milk at this price is available to all expectant and nursing mothers and children under five years of age. A free supply is made if the joint income of the persons falls below 40/- per week together with 6/- for each non-earning dependent. The scheme actually came into operation on 1st July, 1940. In the case of the National Dried Milk, the request for this has not been as great as might have been anticipated. This is probably due to the fact that other dried milks are available and where a mother

has already brought up a number of children satisfactorily on a particular brand of milk, she shows a preference for the article with which she knows from experience she was satisfied. Further, I do not consider that sufficient publicity has been given to the National Dried Milk by advertisement, and another disadvantage was that there was no half-cream National Milk available.

GOVERNMENT EVACUATION SCHEME.

Your area was designated a Reception Area under the Government Evacuation Scheme. The first evacuees arrived on the 19th May, 1940, and up to the end of the year the following had been received into your area : -

Mothers	 215
Children under Five Years	..176
Children over Five Years	..2720

All cases were medically examined upon arrival and those who were not fit for billeting immediately were dealt with by being temporarily accommodated at one of the following :

Childrens' Homes, Church Village.
City Lodge, Cardiff.
Llandough Hospital.
Coryton Hall.

Several cases of infectious disease were received into your Isolation Hospital. Mothers accompanied by several children were found to be difficult to billet and consequently the following empty houses have been requisitioned and furnished to accommodate several families : -

Maesyderi, Heol Isaf, Radyr.
Penrhiw, Station Rd, Radyr.
Woodside, Park Rd, Michaelston-le-pit.
Tynedale, Westra, St. Andrews.
Rhiwlas, Millbrook Rd, Dinas Powis.

A Hostel with accommodation for 20 children was opened at No. 21, Heoldon, Whitchurch, and was furnished by furniture lent by the Llandaff Diocesan Moral Welfare Committee. The Hostel is to accommodate those who, for some reason or other, are unable temporarily to be billeted such as where foster parents are on holiday etc. A number of cases of enuresis have been admitted, and also some difficult children. The Wardens of the Hostel are Mr. and Mrs. Mervyn Williams.

Return made to the Ministry of Health
(Welsh Board of Health)
for the year 1940.
Maternity & Child Welfare.

Health Visiting :
Number of visits paid during the year by Health Visitors : -

(a) to expectant mothers ...	First Visits ...	157
	Total Visits ...	311
(b) to children under one year of age ...	First Visits ...	455
	Total Visits ..	1728
(c) to children between the ages of 1 and 5 years ...	Total Visits ..	2157

Infant Welfare Centres :

(a) Number of centres provided and maintained by the Council ...	9
(b) Number of Centres provided and maintained by voluntary associations ...	Nil
(c) Total number of children who first attended at the Centres during the year, and who, on the date of their first attendance were :	
(i) under 1 year of age ...	380

(ii) over 1 year of age ... 200
(d) Total number of children who attended at the Centres, and who were at the end of the year :
(i) under 1 year of age ... 336
(ii) between the ages of 1 and 5 years ... 872

Number of women sent by the Council to Maternity Institutions during the year ... 32
Number of Maternal Deaths : ... 2

SECTION C.

SANITARY CIRCUMSTANCES OF THE AREA.

Water Supplies.

Close supervision has been paid to water supplies throughout the Area, quarterly samples being taken of all public supplies. Samples were also regularly taken of those private supplies serving a number of the population and also, in certain cases, private wells serving only one family. Details of the results obtained are contained in the following tables.

Samples of water taken during the second quarter of the year at Waterloo Row, Rudry, gave unsatisfactory bacteriological and chemical results. Residents dependant on this water complained of the poor pressure and discolouration of the supply and representations were made to the Council to consider the provision of a new source of supply in that part of the district served by the above-mentioned mains. Negotiations were entered into with a local firm of tinplate manufacturers who were provided with a satisfactory mains supply with a view to a connection being made, but it was found upon investigation that the pressure of water was inadequate to meet both the needs of the works and the district. Large storage tanks would have to be installed at suitable levels which, it was felt, would necessitate incurring uneconomic expenditure. Having regard to the present circumstances, the Council decided to defer consideration of the matter for the time being and gave instructions to keep the existing supply under constant supervision. I am pleased to report that subsequent samples showed improvement.

Where unsatisfactory results were obtained from public wells, attention was given to cleansing, limewashing, and sealing from surfane contamination. With regard to private main Supplies, results indicated that the private supply of the Wingfield Estate to Creigiau was not being efficiently chlorinated and repairs were carried out to the plant. Samples afterwards proved satisfactory.

CHEMICAL ANALYSES OF WATER - YEAR 1940.

	Date of Sample.	Result.
A. Public Main Supplies.		
1. Waterloo Row, Rudry.	(a) 16.1.1940	Satisfactory
	(b) 8.3.1940	Satisfactory
	(c) 1.5.1940	Unsatisfactory
2. Tap. Green Row, Rhydygwern.	1.5.1940	Satisfactory
B. Public Wells.		
1. Council Houses, Cefn Mably.	16.1.1940	Satisfactory
C. Private Main Supplies.		
1. Spring, Wernddu Row, Van.	(a) 14.6.1940	Doubtful
	(b) 19.7.1940	Fairly Satis.
2. Creigiau Reservoir	28.5.1940	Satisfactory.
D. Private Wells.		
1. Well, Ty Dafydd, Welsh St. Donatts	(a) 31.7.1940	Unsatisfactory
	(b) 24.9.1940	Moderate
2. Well, Riverside Bungalow, Machen	19/8.1940	Moderate

BACTERIOLOGICAL ANALYSES OF WATER - YEAR 1940.

A. Mains Supplies.

SOURCE.	March Quarter.		June Quarter.		September Quarter.		December Quarter.	
	Date	Result.	Date	Result	Date	Result	Date.	Result
1. Bonvilston etc., Scheme.	20/2/40	Satisfactory.	27/5/40	Satis.	3/10/40	Evidence of contam.	19/11/40 16/10/40	Satis. do
					16/10/40	Satis.	25/10/40	do
2. Radyr.	5/2/40	do	27/5/40	do	10/9/40	do	19/11/40	do
3. Van (Rhymney Valley Water Board.	16/1/40	do	2/5/40	do	19/7/40	Fairly Sat.	3/12/40	Fairly Satis.
4. Welsh St. Donatts (Mid-Glam W.B)	5/2/40	do	27/5/40	do	20/9/40	Satis	19/11/40	do
5. Penmark	20/2/40	do	20/6/40	Fairly Satis.	12/9/40	Fairly Sat.	29/11/40 13/12/40	do do
			28/6/40	Satis			31/12/40	do
6. Pentyrch & Llanilterne	5/2/40	do	27/5/40	do	10/9/40 24/9/40	Mod.Purity Fairly Sat.	19/11/40	Satis
7. Tank on mountain, Gwaelodygarth	5/2/40	do	27/5/40	do	10/9/40 24/9/40	doubtful purity Fairly Satis.	19/11/40	do
8. Well, New Row Rhydygwern	16/1/40	do	4/5/40	do	19/7/40 19/7/40	do do		
9. Spring and Filtration Plant, Rudry.	16/1/40	do	2/5/40	do	19/7/40 20/8/40	Moderate Fairly Sat.	3/12/40	Satis.
10. Spring & Filtration Plant, Waterloo Row, Rudry	16/1/40 8/3/40	Fairly Sat. Moderate	2/5/40 11/5/40	contam. Doubtful purity	30/9/40	Satis.	3 '12/40	Fairly Satis.

B. Public Wells.

1. Well, Springmeadow Rd, Lisvane	16/1/40	Satisfactory.	2/5/40	Fairly Sat.	30/9/40	Satis.	3/12/40	Satis.
2. Glebe Field Well, Llancarfan.	15/3/40	Fairly Satis.	21/5/40 5/7/40	Doubtful purity	17/9/40	evidence of contam.	13/12/40	Moderate
3. Rhoose Village Pump	28/2/40	Satis.	31/5/40	Moderate	25/9/40	Fairly Sat.	29/11/40	Satis.
4. Sufton Pump, Penmark.	15/3/40	Doubtful	21/5/40	Satis.	12/9/40	Contam.	29/11/40	Doubtful
5. Church Pump, St. Lythans.	8/3/40	Satis.	10/5/40	Unsat.	No sample taken		20/12/40	do
6. Well, Homri Lane, St. Nicholas	8/3/40	Satis.	10/5/40	Fairly Satis.	10/9/40	Contam.	25/11/40	Fairly Satis.
7. Well, Nr. Church, Welsh St.Donats	5/3/40	do	27/5/40	Satis.	20/9/40	Doubtful	19/11/40	Moderate.
8. Well, Cefn Mably Houses.	16/1/40	do	4/5/40	F. Satis No evidence of sewage contamination.	15/10/40	Satis.	3/12/40	Satis.

BACTERIOLOGICAL ANALYSES OF WATER SUPPLIES.

C. Private Main Supplies. SOURCE.	March Quarter.		June Quarter.		September Quarter.		December Quarter.	
	Date.	Result.	Date.	Result.	Date.	Result.	Date.	Result.
1. Wingfield Estate Supply, Creigiau.	5/2/40	F. Satis.	28/5/40	Doubtful	24/9/40	Satis.	19/11/40	Satisfactory.
			28/5/40	Inefficient Chlorination				
			7/6/40	F. Satis.				
			7/6/40	Doubtful				
			24/6/40	Satis.				
2. Glyn Cory, Peterston-s-Ely	5/3/40	Satis.	27/5/40	Satis.	24/9/40.	F.Satis.	19/11/40	Doubtful
D. Private Wells.								
1. Well, Whitewell Farm, Bonvilston.	20/2/40	Doubtful	-	-	-	-	-	-
2. Spring, Willows Farm, St. Brides.	19/3/40	do	-	-	-	-	-	-
3. Spring, Wernddu Rdw, Van.			15/6/40	Moderate	19/7/40	Doubtful	-	-
4. Well, Riverside Bungalow, Rhydygwern					19/7/40	Moderate		
					31/7/40	Doubtful	-	-
5. Well, Ty Dafydd, Welsh St. Donatts.					24/9/40	Satis.		
7. Tap, Daethan.							3/12/40	Satis.

CHLORINATION.

Mr. W. Farrow, Surveyor, informs me that in connection with Circular 2086 A dated 2nd August, 1940, received from the Ministry of Health calling attention to the desirability of adopting special means of purification wherever the purity of water supply is threatened, apparatus has now been installed for the chlorination of water supplied from the Council's Reservoir at Pentyrch also at the supply tanks, Rudry.

The following are summaries of the number of samples taken and the results obtained from the various sources of supply : -

Bacteriological Examination.

Description of source .	Satisfactory.	Fairly Satisfactory.	Of Doubtful purity.	Contam-inated.	TOTALS.
a. Public mains	29	18	2	2	51
b. Public wells and Springs	13	9	6	4	32
c. Private main Supplies	5	3	3	1	12
d. Private Wells.	2	2	4	1	9
TOTALS.	49	32	15	8	104.

Chemical Examination.

Description of source.	Satis-factory.	Fairly Satis.	Of doubtful purity.	Unsatis-factory.	TOTAL.
a. Public mains.	3	-	-	1	4
b. Public Wells	1	-	-	-	1
c. Private Mains	1	1	1	-	3
d. Private Wells	-	-	2	1	3
TOTALS	5	1	3	2	11

DRAINAGE AND SEWERAGE.

No extensions of sewerage have been made during the year and many parts of the District continue to be served by cesspools. Difficulties have arisen in connection with the cleansing of the latter, owing to the shortage of contractors able to carry out this class of work and consideration was given to the question of the Council extending the service to all parts of the District, subject to the necessary appliances and vehicles being procured.

RIVERS AND STREAMS

It was not found necessary to take any action with respect to the above.

CLOSET ACCOMMODATION.

Owing to the fact that there has been no extension of sewerage, there has been no substantial change from the conservancy to the water carriage system.

PUBLIC CLEANSING AND SALVAGE.

As a result of the inauguration of a salvage scheme, the whole question of house refuse collection was considered and new arrangements put into operation, whereby collections in all scavenging areas are now made only once a week: this meant a reduction in the number of collections in the Whitchurch parish of from two to one and in Radyr and Dinas Powis from three to one per week. At the same time a salvage scheme was commenced under which the contractors for Whitchurch (part of) and Dinas Powis undertook to make a weekly collection : that portion of the Whitchurch Parish in which the Council's freighter operated being salvaged by that vehicle also weekly. Premises at Norman Road, Whitchurch, were acquired for sorting, packing, and baling, and collections commenced on 4th April, 1940. This meant the employment of a number of men and youths to sort and pack the collected material. As a result of Government legislation requiring the collection of salvage throughout the whole district, arrangements were made whereby the more rural portions of the area were visited once every three weeks, a 30-cwt lorry being purchased for this purpose. After a canvass of the District had been carried out, the new

scheme commenced on 19th August, 1940. Having regard to all the circumstances, the scheme has been very successful, and the following figures show the value and volume of material collected during the nine months April to December, 1940, (inclusive):-

Description.	Weight.				Value.		
	Tons.	Cwt.	Qrs.	Lbs.	£.	s.	d.
Waste Paper	151	4	3	-	568	9	5
Metals.							
Ferrous	97	0	1	0	193	8	5
Non-ferrous	2	7	3	0	53	12	9
Textiles.	15	11	1	14	76	18	7
Household Bones	4	3	0	0	10	4	9
Glass,							
Bottles and Jars	1876 Dozen.				41	4	0
Totals.	270	7	0	14.	£943.	17	11

In addition, a canvass of the farms of the area was carried out by the Sanitary Inspectors as a result of which a total of 60 tons of scrap consisting of disused machinery was collected and sold for £144. 7. 10. This amount was sent to the British Red Cross Agricultural Fund, a compliment being received from the Ministry of Supply for this effort.

CAMPING SITES.

Two sites were licensed under Town Planning during the year. Sanitary accommodation, water supply and arrangements for refuse collection were satisfactory in each case.

SMOKE ABATEMENT.

No action was taken under this heading during the year.

ERADICATION OF BED BUGS.

Seven private houses were disinfested during the year. Gaseous methods were employed, Cimex, Lawes and Thermatox fumigants being used. The work is carried out by the Council's officials, contractors being employed to remove woodwork etc., where such appears necessary. The treated premises are periodically revisited to test the efficacy of the methods employed and the tenants warned as to the necessity of cleanliness being observed to prevent re-infestation.

SWIMMING BATHS AND POOLS.

There are no public or privately owned swimming baths in the area which are open to the public.

SCHOOLS.

There have been no changes in the sanitary arrangements of any of the schools during the past year and precautions as set out in the Memorandum on Closure of and Exclusion from School, 1927, continue to be taken to prevent the spread of infectious disease.

Insp. W. Davies - No 1. District.

	Inspections & Visits Made	Defects & Nuisances found.	Preliminary Notices Served.	Statutory Notices Served.	Remedied.
Public Health Acts.	153.				
Housing Acts.	38.	38.	26.	3.	38.
Dairies Cowsheds and Milkshops	288.	26.	18.		26.
Public Health (Meat) Regulations.	54.				
Bakehouses	6				
Factories, Workshops and work-places.	4.				
Schools.	10				
Infectious Disease	48.				
Houses Disinfected	46.				
Cesspits cleansed and inspected	56.				
Nuisances from Sanitary Accommodation	5.	5.	5.		5.
Nuisances from defective drains	95.	60.		"	60.
" from Animals					
" from accumulations	11.	8.	6.		8.
Tents, Vans and Sheds.					
Supervising Scavenging.	125.				
Rats, and Mice Destruction	12.				
Inspection of Water Supplies	42.				
Samples of Water for Analysis	33.				
" of Milk for Analysis	64				
Petrol and Explosive Stores	34				
Shops Acts and Employment of Young Persons.	118.				
Visits not classified, A.R.P. and Salvage.	~~442~~ 422.				
	1640.	134.	55.	14.	134.

No. 2. District - Insp. E. Jones.

	Inspections & Visits Made	Defects & Nuisances found.	Preliminary Notices Served.	Statutory Notices Served.	Remedied.
Public Health Acts.	142.				
Housing Acts.	110.	92.	33.	12.	92.
Dairies Cowsheds and Milkshops	262.	48.	22.		48.
Public Health (Meat) Regulations.	7				
Bakehouses	6				
Factories, Workshops and work-places.	12.				
Schools.	6				
Infectious Disease	42.				
Houses Disinfected	33.				
Cesspits cleansed and inspected	35.	8.	4.		8.
Nuisances from Sanitary Accommodation	18.	10.	5.	2.	10.
Nuisances from defective drains	80.	42.	21.	6.	42.
" from Animals	3.	3.	3.		3.
" from accumulations	7	1	1		1.
Tents, Vans and Sheds.	6				
Supervising Scavenging.	118.				
Rats, and Mice Destruction	10				
Inspection of Water Supplies	42.				
Samples of Water for Analysis	4.				
" of Milk for Analysis	32.				
Petrol and Explosive Stores	25.				
Shops Acts and Employment of Young Persons.	53.				
Visits not classified, A.R.P. and Salvage	560.				
	1410.	204.	89.	20.	204

No 3 District - Insp. G.J. Hall.

	Inspections & Visits Made	Defects & Nuisances found.	Preliminary Notices Served.	Statutory Notices Served.	Remedied.
Public Health Acts.					
Housing Acts.	163.	32.	19.	3.	30.
Dairies Cowsheds and Milkshops	254.	24.	9		23.
Public Health (Meat) Regulations.	16.				
Bakehouses	3.	1.			1.
Factories, Workshops and work-places.	9.				
Schools.	8.				
Infectious Disease	33.				
Houses Disinfected	6				
Cesspits cleansed and inspected	118	69			65
Nuisances from Sanitary Accomm - odation	38.	14.	8.		14.
Nuisances from defective drains	43.	14.	5.	3.	14.
" from Animals	4	4			4.
" from accumulations	6	3.			3.
Tents, Vans and Sheds.	3.				
Supervising Scavenging.	349				
Rats, and Mice Destruction	4.				
Inspection of Water Supplies	44.	3.		3.	1.
Samples of Water for Analysis	30				
" of Milk for Analysis	13				
Petrol and Explosive Stores	35.				
Shops Acts and Employment of Young Persons.	14				
Visits not classified, A.R.P.	262.				
	1493.	164.	41.	9.	158.

SECTION D.

HOUSING.

No new properties have been reported this year and efforts have been directed to securing completion of those properties where repairs are outstanding. Shortage of materials, labour and other factors arising from war conditions have proved obstacles in this connection and as the Council's remedy of demolition in default of the execution of owners' undertakings to recondition has been suspended, mothods of persuasion rather than coercion have had to be adopted, but these have not always had the desired effect.

The following list shows the progress during the year and also those cases where the position cannot be definitely classified under the headings of "reconditioned," "demolished" or "closed": -

Parish.	Property.	Progress.
Leckwith	Gower Cottage (Coles)	Reconditioned.
Lisvane	Deri Duon Cottage	Deferred
	Heol Hir Cottage	Deferred during lifetime of present occupier.
	No.1,Capel Gwilym Cottages.	Deferred sine die.
	Cwm Tranch Cottage	Deferred
	Llwynypia Cottage	do
	Cottage,Cross Rd,Cherry Orchard.	do
Llancarfan	Llancadle Cottage	Works suspended temporarily
	Llancadle Farm Cottage	do
	Primrose Cottage,Llanbethery	Closed
	Abernant Cottage	Deferred during war period.
	Post Office	Works in progress (property vacant)
	Penon Cottage	Awaiting demolition
	Llanvithyn Mill	Deferred sine die.
Llanedeyrn	Malthouse Cottage (No 2)	Awaiting demolition.
Llantrithyd	Detached cottage, Treaubrey Road	Deferred sine die.
	Brook Cottage.	do
	Docks Cottage	do
Llanfedw	Cefn Mably Cottages	Awaiting demolition
	Pennsylvania Cottages (2)	do
Penmark	Sufton Cottages (2)	Awaiting demolition.
	Cottage (Blakemore)	Deferred during war period
	Nos. 1&2 Cwm Cottages	Awaiting completion of works
	No. 3 Cwm Cottages	Works not yet commenced (property vacant)
	Cottage, Fonmon (Hickey)	Deferred during lifetime of present occupier.
	South Cottage	Undertaking accepted.
Pentyrch	Temperance Row (9)	Reconditioned
	Penmynydd Cottage	Deferred sine die.
Peterston-s-Ely	Ty Doman Cottages Nol.	Awaiting Demolition
	Rose Cottages (2)	Closed.
Radyr	White Cottages, Morganstown. (3)	Awaiting demolition.
	Rose Cottage, Chapel Road.	Undertaking not to relet when vacant.
	Ysygubor Fawr Cottage	Deferred during war period.

Rhydygwern	Ffynon Cottage	Undertaking not to relet.
	Graig Bungalow	Deferred sine die.
	Old Forge Cottage	do
St. Andrews	No. 2 North Cottages	Awaiting completion of works
	Nos 1 to 6 Matthews Terrace.	do
	Belvoir Cottage, Highwalls	Deferred sine die
	Nos 1 & 2 Quarry Cottages	do
St. Georges	2 Cottages, The Lane (Mann & Lang)	Works in progress
	2 Cottages, St. Lythans (Howard)	Undertaking not to relet.
	Detached Cottage St.Lythans Down.	Deferred.
	Cottage Nr.St.Georges Crossing	Deferred during war period.
Sully.	Nos 1 to 8 Hayes Cottages	Deferred sine die.
Wenvoe	Nos 1,2 & 3, Greaves Cottages	Awaiting demolition.
	Greenwoods Cottages (2)	Awaiting demolition.
	Yackla Cottages (2)	do
Welsh St. Donatts.	Caepant Cottage	Deferred during war period
	Ffald Wen	do
	Penwaun	do
Whitchurch	Nos. 9 to 23, Mill Road, Tongwynlais.	Works in progress
	Cwm Nofydd Cottages (2)	Deferred
	14a,14,16 & 16a Mill Rd, Tongwynlais.	Deferred sine die.
	Nos 1 to 5, Providence Pl.	Awaiting completion.
	Tynycoed Cottages, Beulah Road (2)	Works not yet commenced.
	67 Merthyr Rd.	Completed.

I am indebted to the Surveyor for the following information:
Number of houses completed in the district for year ending 31st December, 1940, by private enterprise: -

Lisvane	2
Llanedeyrne	1
Michaelston-le-pit	1
Penmark	2
Pentyrch	1
Radyr	2
St. Andrews	1
St. Nicholas	2
Welsh St. Donatts	1
Wenvoe	2
Whitchurch	91
Total.	106

Number completed under Housing Schemes of the Council - Nil.

Number of Houses : -	Progress during the year ending 31st December, 1940.			Total number of houses included in the programme to the 31st December, 1940.		
	Houses dealt with in Clearance Areas.	Houses dealt with as individual unfit houses under appropriate provisions of Housing Acts.	Total.	Houses dealt with in Clearance Areas.	Houses dealt with as individual unfit houses under appropriate provisions of Housing Acts.	Total.
(1) which have been demolished	-	-	-	95	55	150
(2) which have been made fit	-	11	11	-	260	260
(3) which have been put out of use for human habitation.	-	3	3	-	32	32
(4) which are not accounted for in items (1) to (3) but in respect of which no further action is necessary.	-	-	-	1	-	1
(5) Total of items (1) to (4)	-	14	14	96	362	443
(6) In respect of which action is necessary, but was not completed by the 31st December, 1940.						92
					TOTAL	535

SECTION E.

Inspection and supervision of Food.

There has been little alteration in the number of licenses granted by the County Council to Accredited and T.T. Producers, which number 61 and 13 respectively.

The following licences have been granted by the District Council in respect of graded milks : -

T.T. Bottling Establishments, ...	7
Accredited Bottling Establishments	1
Dealers in T.T. Milk (bottled at the place of production) ...	7
Dealers in Pasteurised milk (already bottled)	3
Supplementary licences with respect to T.T. Milk	5
Supplementary licences with respect to Pasteurised milk.	1

One hundred and nine samples were taken for bacteriological examination, the results being as follows: -

	Dealer in			
	T. T.	Pasteurised.	Accredited.	Ungraded.
Satisfactory.	74	8	8	8
Unsatisfactory.	7	4	-	-

War conditions having increased the amount of land under cultivation have added to the labour difficulties in and around the farm. Having regard to the shortage of farm labourers this has inevitably resulted in somewhat lowering the standards in methods of sterilisation and general cleanliness. There has been very little structural improvements to milking sheds during the year.

Milk & Dairies Act, 1926.

Legal proceedings were taken against a Cowkeeper and Dairyman for using premises which were unregistered for the purpose of milking cows, in contravent of Article 7 of the above mentioned Order, also, for failing to provide and use a clean damp cloth for the cleansing of udders and teats of cows before milking, as required by Article 23 (ii). Fines amounting to £5. 7. 0 were imposed on the offender.

Meat and other Foods.

Five licensed and one registered slaughterhouse continued to operate in your District but the advent of centralised slaughtering in January, 1940, brought slaughtering to an end at these premises.

One sheep's liver was destroyed on account of fluke and one pig's lung was found to be affected with tuberculosis.

SECTION F.

PREVALENCE OF AND CONTROL OVER INFECTIOUS AND OTHER DISEASES.

The practical use made of the No. 2 Block (cubicles) at the Isolation Hospital has been of very great value during the year. It was especially useful in the cases of Evacuee Children. At some periods, children had to be admitted suffering from diseases which are not usually admitted owing to difficulties arising in connection with the billets.

On the arrival of one group of evacuees, it was found that there were cases of Scarlet Fever, Diphtheria, Chicken-Pox, Whooping-Cough, and Scabies etc.

Fortunately, the number of succeeding cases were limited.

During the year the number of cases of infectious diseases notified was 389, as against 213 for 1939, of which Scarlet Fever accounted for 65 as against 76 for the previous year and Diphtheria 36 as against 65. This increase was due to Measles and Whooping Cough being made notifiable in October, 1939.

Ten cases of Cerebro-spinal-meningitis were notified.

A number of cases of Dysentery were notified from a military camp in your area, and at the request of the Military Authority I paid several visits to the

PARTICULARS OF THE INCIDENCE OF NOTIFIABLE DISEASES IN THE AREA DURING THE YEAR 1950.

Disease	Total Cases notified	Age not known	Under one year	1	2	3	4	5	10	15	20	35	45	65 and over	Cases admitted to Hospital from the Council's Area	Deaths of residents in the Council's Area.
Scarlet Fever	66	-	-	2	2	3	11	30	8	6	2	1	1	-	52	1
Diphtheria	36	-	-	1	1	1	-	9	5	6	12	-	1	-	36	-
Enteric Fever (including Para-typhoid)	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-
Puerperal Pyrexia	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-
Pneumonia	36	1	-	-	-	-	1	3	2	2	6	2	12	7	2	-
Measles	134	2	3	5	9	3	14	76	10	6	5	1	-	-	8	-
Whooping Cough	71	1	4	3	5	9	16	30	2	-	1	-	-	-	6	-
Erysipelas	12	-	-	-	-	-	-	-	-	-	3	3	2	4	-	-
Cerebro-Spinal Meningitis	10	1	1	-	1	-	-	2	-	2	2	-	1	-	10	1
Dysentery	18	1	-	-	-	-	-	-	-	-	13	4	-	-	18	1
Infantile Paralysis	1	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-
Ophthalmia Neonatorum	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Poliomyelitis	1	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-
Totals	389	6	10	11	18	16	43	150	28	22	46	11	17	11	136	3

camp and certain investigations were carried out at the Emergency Public Health Laboratory, the organism responsible was an atypical dysentery bacilli. There was one death amongst the early cases.

Artificial Immunisation against Diphtheria.

Owing to the pressure of work in other directions the number of cases which have received Diphtheria Immunisation has not been as many as in previous years.

All cases which sought treatment received it, but the requests were not very numerous. The Prophylactic used has been supplied by Messrs. Burroughs Wellcome & Co., The first injection was one of 0.1cc and after fourteen days a second injection of 0.5cc. No severe reactions were noted and there were no complications.

(a) No. of Pre-School Children Immunised 12
(b) No. of School-Children immunised 59

In addition 39 infants and 140 school-children received one injection before the end of the year, the second injection being given during the succeeding year.

In all 250 injections were given.

ELY ISOLATION HOSPITAL ADMISSIONS.

	Scarlet Fever	Diphtheria	German Measles	Chicken Pox	Dysentery	Enteric (including Para-Typhoid	Mumps	Whooping Cough	Pneumonia (& Measles)	Measles	Total	Died
January	6	3									9	1
February	3	1	1							1	6	
March	6	1								1	8	
April	7	4				1					12	
May	10	1									11	
June	4	11			4			1			20	
July	5	5			1						11	
August	2	2			1						5	
September	4	9			2			1			16	
October	2	2					2				6	
November	3	8		1				2		4	18	
December.	4	4						2	1	2	13	
TOTALS.	1 56	51 1	1	1	8	1	2	6	1	8	135	1

1 Four from outside authorities.
1 Nineteen from outside authorities.

TUBERCULOSIS.

New Cases and Mortality during 1940.

Age Periods.	New Cases.				Deaths.			
	Respiratory.		Non-Respiratory.		Respiratory.		Non-Respiratory.	
	M.	F.	M.	F.	M.	F.	M.	F.
0								
1								
5	1	1	2	4			1	
15	10	7	1	3	1	2		
25	3	6			2	3		
35	2					1		
45	1	1			1	2		
55	1	2				1		
65 and Upwards.								
Totals.	18	17	3	7	4	9	1	-

The ratio of non-notified tuberculosis deaths to the total tuberculosis deaths is very small.

In all cases of death from tuberculosis which have not been previously notified the practitioners are written to asking for an explanation of the reason for non-notification and this is usually satisfactory.

When notification was received that evacuee mothers and children were to be received into the area, instruction were given to the Chief Billeting Officer that no evacuees were to be billeted in houses where there were cases of known Tuberculosis.

More detailed attention has been devoted by the Health Visitors and Sanitary Inspectors into visitation and disinfection of the rooms of tuberculosis cases and after removal of the patient to Hospital or Sanatorium or upon the death of the patient, disinfection is carried out as well as disinfection of the clothing and bedding.

Forms M235/1 are regularly sent to the Tuberculosis Physician. Advice Pamphlets and where necessary sputum flasks are distributed to the patients.

In conclusion, I wish to thank the Members of the Council, the Staff of the Health Department, and the chief officials of the other Departments for their valued assistance and kind co-operation throughout the year.

I am, Mr. Chairman and Gentlemen,
Your obedient Servant,

G.McKIM THOMAS,
Medical Officer of Health.

28th July, 1941.